

Amendments to Specification

Please replace paragraph [0007] with the following amended paragraph:

[0007] Although knowledge of the acoustic field does not uniquely define the source, localization of a source and analyses of the spatial and temporal characteristics of its far-field radiation can provide insight into noise generation mechanisms. ~~Modern~~ Modern acoustic arrays used in wind tunnel studies of airframe noise are typically constructed of moderate numbers (≤ 100) of instrumentation grade condenser microphones, and range in aperture size from several inches to several feet. Data collection, followed by extensive post-processing has been used to implement various beamforming processes, including conventional beamforming, array shading, shear-layer corrections, adaptive methods, etc. The resulting data files can be over 500 GB in size and require up to an hour of post-processing per data set.

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